

Date of Publication of Sodiro's "Cryptogamae Vasculares Quitenses"

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Father Luis Sodiro, who Latinized his name as Aloisius Sodiro, was a member of the Society of Jesus and a teacher in Ecuador during the latter part of the nineteenth century and the early years of this century. He collected plants extensively for about thirty years, mostly on high mountain peaks like Corazón and Pichincha that are not far from Quito. Although he did publish on other groups, his specialty was ferns, an interest that culminated in his book "Cryptogamae Vasculares Quitenses Adiectis Speciebus in Aliis Provinciis Ditionis Ecuadorensis Hactenus Detectis," which, as the full title indicates, was a treatment of all known Ecuadorean Pteridophyta, not just those of the Province of Quito. This work is the only complete treatment of Ecuadorean ferns, or indeed of the ferns of any Andean country. Although the work follows the nomenclature of Hooker and Baker's "Synopsis Filicum" (ed. 2, 1874) and is consequently a hundred years out of date, it is still a useful, in fact indispensable work for the student of South American ferns.

Sodiro sent many specimens to Kew for study by J. G. Baker, who described numerous new species based on them, but Sodiro himself also described many new species, first in his "Recensio Cryptogamarum Vascularium Quitensium" (1883), and many more in the larger work mentioned above. This is dated 1893 and is always so cited. Two years ago I chanced to use the copy in the library at the Royal Botanic Gardens, Kew, and I found that its copy was not the usual bound published copy, but a copy consisting of parts as published in the "Anales de la Universidad de Quito." The Kew copy is incomplete, but it clearly shows that this work was actually published in parts, which were subsequently repaged and brought together in book form.

A check with a full series of these "Anales" in the Library of Congress shows that the "Cryptogamae Vasculares Quitenses" was really published in parts, some prior to 1893 and some later. The beginning was in series IV, no. 31, dated October 15, 1890, pp. 284-291. This part contains the key to the families and the treatment of the Hymenophylleae down through the account of *Trichomanes radicans*. This first part is different from the later published book, being written all in Latin. It can be presumed that the University authorities, or Sodiro's friends, convinced him that his work would be more accessible if it were written in Spanish, for this first part was republished two years later in ser. VI, no. 44, pp. 58-74. March, 1892, with the keys now in Spanish and the descriptions in both Latin and Spanish, the latter sometimes longer. This later published part contains additional material (down through part of the key to *Hymenophyllum*), and is exactly like the opening pages of the published book except for the pagination.

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After March, 1892, a part of the work appeared in almost every issue of the "Anales," finishing up the main body of the text in June, 1895, with an "Addenda et Corrigenda" appearing in October, 1897. If the complete book had really been published in 1893, there would have been no reason to continue with the publication of the text in parts in the "Anales." There is thus good reason to believe that the original publication continued to be in the "Anales" and that the published date on 1893 on the title page is incorrect. There is internal evidence also to this effect. For instance, in the account of *Nephrodium semilunatum* Sodiro in the "Anales," published in one of the numbers in 1894, the reference to the original publication of the species by Sodiro in his "Recensio" was accidentally omitted, but in the book this necessary information was added, a clear indication that the book could not have been published in 1893.

Sodiro wrote in the "Prologo" to the book "Durante mi permanencia de 23 años en esta republica con el cargo de Profesor de Botánica en la Universidad Central . . ." It seems, from the information available to me, that the title of the Universidad de Quito was not officially changed to "Universidad Central de Ecuador" until November 1, 1895, and so it is not likely that Sodiro would have so used it in 1893. This "Prologo" is dated August 15, 1893, but it is likely that this is merely the date when Sodiro wrote most of it, not the publication date of the book. In fact, the date of publication of the book is not of great importance perhaps, since the new species and varieties were published previously in the "Anales," except for a very few names that appear in the "Addenda et Corrigenda" on pages 638-644, which appear only in the book and not in the "Anales."

The only contemporary review that I have found is that by C. Brick in "Just's Botanischer Jahresbericht" (vol. 21, no. 1, p. 254. 1896). Brick's work for this journal is mentioned in the "Bericht für das Jahr 1895 des Botanischen Museums und des Laboratoriums für Waarenkunde zu Hamburg (Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten, vol. 13. 1896), which indicates that the review was written by Brick in 1895. The book used by Brick, who was chief of the Abteilung für Pflanzenschutz of the Staatsinstitut für Allgemeine Botanik, Hamburg, is not at present in the Institute, according to its present Director, Dr. K. Walther. It was probably a copy of the parts as issued in the "Anales" (like the Kew copy), for Brick indicated that it was published by the Universidad Central de Ecuador, and as noted above the name of the Universidad de Quito was not changed to Universidad Central until November 1, 1895. The Hamburg copy of the book is one of the books recently acquired in 1897, having been purchased from Lechevalier in Paris. I believe, therefore, that the book with the title-page date 1893 was not published until 1897, but that the parts were available by the end of 1895, that is the parts separated from the rest of the material that was published in the "Anales." Many of the novelties of Sodiro are indicated in the Gray Card Catalogue as published in the "Anales," but always with an accompanying reference to the "Cryptogamae Vasculares," which is always dated 1893. Some of these references to the "Anales" are wrongly dated, and on some cards this reference to the "Anales" is completely omitted. Quite a number of

names published by Sodiro, mostly those where the combination was attributed to the wrong author, have been accidentally omitted from the Gray Cards.

It is at present difficult to decide definitely on Sodiro's types. His collections are widely scattered. Unfortunately, he did not number his specimens consecutively. And many specimens have only vague data like "in reg. subtrop.," with or without a date. Some of the species were similarly published without any definite localities, e.g. *Nephrodium subglabrum*, where the only indication of the locality is "Crece en la región tropical y subtropical de 400-1200 metros." This can not be taken to mean necessarily that Sodiro had more than one specimen in hand, merely that he had seen the species in different places, at least two, one in the tropical zone at 400 meters and one in the subtropical at 1200 meters. Unfortunately, Sodiro also had the habit of going back to a place where he had found a new species and collecting additional material, which was also marked "n. sp." even though it may have been collected after the species had been already published. The only way that one can decide on probable isotypes or syntypes is by comparing the label data closely with the published data and by observing the date of collection (if given). The handwriting may give some additional clues, but many of the labels are not in Sodiro's own hand but were written by Father Mille or other associates. Sodiro's own herbarium is said to be still in Quito, but in poor condition and not available for consultation. It may be so, but this should be verified. There are large sets in Kew, Paris, and Berlin, and there are said to be 6000 specimens in the National Museum in Budapest, which, if true, may be the largest set of all. The types of the species described by Baker on Sodiro collections are at Kew, of course.

I indicate below the dates of the parts as issued. The parts often end in the middle of a sentence, and the pagination is not at all the same as in the book. I then give a list of the new species, varieties, and combinations with the correct citations.

**DATES OF PUBLICATION OF THE PARTS OF THE
"CRYPTOGAMAE VASCULARES QUITENSES"**

- Anal. Univ. Quito IV (31): 284-291. Oct. 15, 1890. Contains beginning through *Trichomanes radicans*, but with different text.
- Ibid. VI (44): 58-74. Mar. 1892. Book pp. 1-16.
- Ibid. VI (45): 146-154. Apr. 1892. Book pp. 17-24, line 41.
- Ibid. VI (46): 229-237. May, 1892. Book pp. 24, bottom line-32, line 31.
- Ibid. VI (47): 373-380. Jun. 1892. Book pp. 31, line 32-39, line 33, plus footnote.
- Ibid. VII (49): 79-86. Aug. 1892. Book pp. 39, line 34-47, line 21.
- Ibid. VII (50): 103-118. Sep. 1892. Book pp. 47, line 22-62.
- Ibid. VII (51): 173-190. Oct. 1892. Book pp. 63-80, line 23.
- Ibid. VII (53): 298-306. Dec. 1892. Book pp. 80, line 23-88, line 40.
- Ibid. VIII (54): 8-15. Jan. 1893. Book pp. 88, line 41-96, line 22.
- Ibid. VIII (55): 65-80. Feb. 1893. Book pp. 96, line 23-111, line 39.
- Ibid. VIII (56): 141-157. Mar. 1893. Book pp. 111, line 30-128, line 16.
- Ibid. VIII (57): 209-217. Apr. 1893. Book pp. 128, line 17-136, line 46.
- Ibid. VIII (58): 261-276. May, 1893. Book pp. 136, line 47-152, line 3.

- Ibid. VIII (59): 363-371. Jun. 1893. Book pp. 152, line 4-160, line 28.
 Ibid. IX (60): 1-17. Jul. 1893. Book pp. 160, line 29-176, line 26.
 Ibid. IX (61): 75-91. Aug. 1893. Book pp. 176, line 27-192, line 24.
 Ibid. IX (62): 155-171. Sep. 1893. Book pp. 192, line 25-207, line 36.
 Ibid. IX (63): 219-235. Oct. 1893. Book pp. 207, line 37-222, line 21.
 Ibid. IX (64): 310-320. Nov. 1893. Book pp. 222, line 22-237, line 38.
 Ibid. IX (65): 365-373. Dec. 1893. Book pp. 237, line 39-245.
 Ibid. X (66): 1-17. Jan. 1894. Book pp. 246-261, line 39.
 Ibid. X (67): 119-142. Feb. 1894. Book pp. 261, line 40-284, line 9.
 Ibid. X (68): 185-210. Mar. 1894. Book pp. 284, line 10-306, line 40.
 Ibid. X (69): 301-324. Apr. 1894. Book pp. 306, line 41-330, line 8.
 Ibid. X (71): 389-406. Jun. 1894. Book pp. 330, line 9-346, line 33.
 Ibid. XI (72): 23-46. Jul. 1894. Book pp. 346, line 34-369, line 42.
 Ibid. XI (73): 109-133. Aug. 1894. Book pp. 369, line 43-394, line 8.
 Ibid. XI (74): 199-224. Sep. 1894. Book pp. 394, line 9-418, line 38.
 Ibid. XI (75): 312-336. Oct. 1894. Book pp. 418, line 39-442, line 9.
 Ibid. XI (76): 446-470. Nov. 1894. Book pp. 442, line 10-465, line 30.
 Ibid. XI (77): 541-565. Dec. 1894. Book pp. 465, line 31-489, line 31.
 Ibid. XII (78): 20-44. Jan. 1895. Book pp. 489, line 32-513, line 23.
 Ibid. XII (79): 114-138. Feb. 1895. Book pp. 513, line 24-536, line 32.
 Ibid. XII (80): 231-254. Mar. 1895. Book pp. 536, line 33-559, line 19.
 Ibid. XII (81): 314-337. Apr. 1895. Book pp. 559, line 20-582, line 11.
 Ibid. XII (82): 395-418. May, 1895. Book pp. 582, line 12-605, line 5.
 Ibid. XII (83): 475-502. Jun. 1895. Book pp. 605, line 6-631.

Anal. Univ. Central Republ. Ecuad. XIII (84): 46-75. Oct. 1897. This is the "Addenda et Corrigenda," with references to the pages of the "Anales" where new material is to be added or corrected, plus the chapters on "Climatología y Distribución Geográfica," "Propiedades y Usos," and the "Indice," which gives references to the volumes and pages in the "Anales." In the book this material occupies pages 632-656, plus the unpagged index. The material of the "Addenda and Corrigenda" has been completely reset, giving references to the appropriate pages in the book rather than the "Anales" and with more additions and corrections inserted. The "Indice" also has been reset, with references given to pages in the book rather than the "Anales." Some names in the index in the "Anales" are omitted in the index to the book, and probably vice versa although I have not checked this.

NEW SPECIES, VARIETIES, AND COMBINATIONS PUBLISHED BY SODIRO

- Acrostichum assurgens* var. *hartwegii* (Fée) Sodiro, op. cit. XI (77): 543. Dec. 1894. *Acrostichum hartwegii* Fée
A. chrysolepis Sodiro, op. cit. XI (77): 561. Dec. 1894.
A. corderoanum Sodiro, op. cit. XI (77): 546. Dec. 1894.
A. deltoideum Sodiro, op. cit. XI (77): 542. Dec. 1894.
A. flabellatum var. *bipartitum* Sodiro, op. cit. XI (77): 565, Dec. 1894.
A. hackelianum Sodiro, op. cit. XII (78): 21. Jan. 1895.
A. hirtipes Sodiro, op. cit. XI (76): 447. Nov. 1894.
A. isophyllum Sodiro, op. cit. XI (75): 335. Oct. 1894.
A. latifolium var. *alismifolium* (Fée) Sodiro, op. cit. XI (75): 325. Oct. 1894.
Acrostichum alismifolium Fée
A. latifolium var. *luridum* (Fée) Sodiro, op. cit. XI (75): 325. Oct. 1894.
 [wrongly attributed to Fée]. *Acrostichum luridum* Fée.

- Acrostichum latifolium* var. *scalpellum* (Mart.) Sodiro, op. cit. XI (75): 325. Oct. 1894. *Acrostichum scalpellum* Mart.
- A. latifolium* var. *subsessile* Sodiro, XI (75): 325. Oct. 1894.
- A. lepidotum* var. *cupreum* Sodiro, op. cit. XI (77): 557. Dec. 1894.
- A. microlepis* Sodiro, op. cit. XI (75): 331. Oct. 1894.
- A. muscosum* var. *macropodium* Sodiro, op. cit. XI (77): 549. Dec. 1894.
- A. rimbachii* Sodiro, op. cit. XI (77): 554. Dec. 1894.
- A. setigerum* Sodiro, op. cit. IV: 174. 1890.
- A. sorbifolium* var. *anceps* Sodiro, op. cit. XI (77): 560. Dec. 1894.
- A. stenophyllum* Sodiro, op. cit. XI (77): 544. Dec. 1894.
- A. viscosum* var. *dissidens* Sodiro, op. cit. XI (76): 465. Nov. 1894. [as "disidens"].
- Adiantum aethiopicum* var. *viridissimum* Sodiro, op. cit. VII (51): 179. Oct. 1892.
- Alsophila bakeri* Sodiro, op. cit. XII (79): 134. Feb. 1895.
- A. pruinata* var. *conspicua* Sodiro, op. cit. XII (80): 232. Mar. 1895.
- Aspidium contractum* Sodiro, op. cit. IX (63): 234. Oct. 1893.
- A. macropterum* Sodiro, op. cit. XIII (84): 49. Oct. 1895.
- A. trilobum* var. *puberulum* Sodiro, op. cit. IX (63): 233. Oct. 1893.
- Asplenium bifrons* Sodiro, op. cit. IX (61): 83. Aug. 1893.
- A. debile* Sodiro, op. cit. VIII (58): 266. May, 1893.
- A. eggersii* Sodiro, op. cit. IX (61): 87. Aug. 1893.
- A. flavescens* var. *caucense* (Karst.) Sodiro, op. cit. IX (61): 83. Aug. 1893 [wrongly attributed to Karst.]. *Asplenium caucense* Karst.
- A. flavidum* Sodiro, op. cit. VIII (58): 273. May, 1893.
- A. hians* var. *pallescens* Sodiro, op. cit. IX (62): 163. Sep. 1893.
- A. leptochlamys* Sodiro, op. cit. IX (62): 163. Sep. 1893.
- A. macropterum* Sodiro, op. cit. IX (62): 165. Sep. 1893.
- A. melanopus* Sodiro, op. cit. IX (61): 88. Aug. 1893.
- A. meniscioides* Sodiro, op. cit. IX (61): 88. Aug. 1893.
- A. monanthemum* var. *menziesii* (Hook. & Grev.) Sodiro, op. cit. VIII (58): 270. May, 1893. *Asplenium menziesii* Hook. & Grev.
- A. ochraceum* Sodiro, op. cit. IX (62): 171. Sep. 1893.
- A. pulicosum* var. *maius* Sodiro, op. cit. IX (62): 161. Sep. 1893.
- A. reflexum* Sodiro, op. cit. IX (62): 168. Sep. 1893.
- A. rutaceum* var. *disculiferum* Sodiro, op. cit. IX (61): 79. Aug. 1893.
- A. trichomanes* var. *herbaceum* Sodiro, op. cit. VIII (58): 269. May, 1893.
- A. triphyllum* var. *compactum* Sodiro, op. cit. IX (61): 76. Aug. 1893. [This may have been intended as the same as *A. triphyllum* var. *compactum* Hook. (Sp. Fil. 3: 203. 1860), but it has no reference to Hooker or any previous publication, and so must be considered a new, independent variety, a later homonym of that of Hooker.]
- A. triphyllum* var. *gracillimum* Sodiro, op. cit. IX (61): 76. Aug. 1893.
- A. triphyllum* var. *herbaceum* (Fée) Sodiro, op. cit. IX (61): 76. Aug. 1893 [wrongly attributed to Fée]. *Asplenium herbaceum* Fée.
- Blechnum lomarioides* Sodiro, op. cit. VIII (57): 209. Apr. 1893.
- B. occidentale* var. *puberulum* Sodiro, op. cit. VIII (57): 210. Apr. 1893.
- B. scaberulum* Sodiro, op. cit. VIII (57): 211. Apr. 1893.
- Cheilanthes laciniata* Sodiro, op. cit. VII (51): 189. Oct. 1892.
- C. myriophylla* var. *elegans* (Desv.) Sodiro, op. cit. VII (53). 300. Dec. 1892. *Cheilanthes elegans* Desv.
- Cyathea borjae* Sodiro, op. cit. XII (78): 35. Jan. 1895.
- C. corallifera* Sodiro, op. cit. XII (78): 39. Jan. 1895.

- Cyathea corallifera var. firma Sodirol, op. cit. XII (78): 40. Jan. 1895.
 C. corallifera var. ortholoba Sodirol, op. cit. XII (78): 40. Jan. 1895.
 C. dyeri Sodirol, op. cit. XII (79): 116. Feb. 1895.
 C. fulva var. minor Sodirol, op. cit. XII (79): 118. Feb. 1895.
 C. purpurascens Sodirol, op. cit. XII (78): 34. Jan. 1895.
 Dicksonia coronata (Sodirol) Sodirol, op. cit. VII (50): 104. Sep. 1892. *Dicksonia adiantoides* var. *coronata* Sodirol.
 D. divaricata Sodirol, op. cit. VII (50): 104. Sep. 1892.
 D. lagerheimii Sodirol, op. cit. VII (50): 106. Sep. 1892.
 D. plumieri var. heteroloba Sodirol, op. cit. VII (49): 84. Aug. 1892.
 D. scandens var. isotoma Sodirol, op. cit. VII (49): 86. Aug. 1892.
 D. sellowiana var. arachneosa Sodirol, op. cit. VII (49): 83. Aug. 1892.
 Drymoglossum wiesbaurii Sodirol, op. cit. XI (75): 312. Oct. 1894.
 Gleichenia pubescens var. blepharolepis (Sodirol) Sodirol, op. cit. VI (47): 376. Jun. 1892. *Gleichenia blepharolepis* Sodirol.
 G. pubescens var. mathewsii (Hook.) Sodirol, op. cit. VI (47): 376. Jun. 1892. [wrongly attributed to Hooker]. *Gleichenia mathewsii* Hook.
 Gymnogramma subscandens Sodirol, op. cit. XI (74): 206. Sep. 1894.
 G. tortuosa Sodirol, op. cit. XI (74): 206. Sep. 1894.
 Hemitelia subcaesia Sodirol, op. cit. XII (79): 124. Feb. 1895.
 Hymenophyllum brachypus Sodirol, op. cit. VI (46): 233. May, 1892.
 H. contractile Sodirol, op. cit. VI (45): 151. Apr. 1892.
 H. divaricatum Sodirol, op. cit. VI (46): 234. May, 1892.
 H. helicoideum Sodirol, op. cit. VI (45): 150. Apr. 1892.
 H. nanum Sodirol, op. cit. VI (46): 232. May, 1892.
 H. pendulum Sodirol, op. cit. VI (46): 236. May 1892.
 H. rimbachii Sodirol, op. cit. XIII (84): 47. Oct. 1897.
 H. sericeum var. refrondescens (Sodirol) Sodirol, op. cit. VI (46): 230. May, 1892. *Hymenophyllum refrondescens* Sodirol.
 H. splendidum var. apodum Sodirol, op. cit. VI (45): 152. Apr. 1892.
 Hypolepis flexuosa Sodirol, op. cit. XIII (84): 48. Oct. 1897.
 Jamesonia imbricata var. nivea (Karst.) Sodirol, op. cit. XI (73): 127. Aug. 1894 [wrongly attributed to Karst.]. *Jamesonia nivea* Karst.
 J. imbricata var. scalaris (Kunze) Sodirol, op. cit. XI (73): 127. Aug. 1894 [wrongly attributed to Kunze]. *Jamesonia scalaris* Kunze.
 Lomaria dendrophila Sodirol, op. cit. VIII (56): 148. Mar. 1893.
 L. floresii Sodirol, op. cit. VIII (56): 144. Mar. 1893.
 L. petiolaris Sodirol, op. cit. VIII (56): 143. Mar. 1893.
 L. rimbachii Sodirol, op. cit. VIII (56): 146. Mar. 1893.
 Lycopodium hartwegianum var. viridissimum Sodirol, op. cit. XII (81): 330. Apr. 1895.
 L. polycladum Sodirol, op. cit. XII (81): 316. Apr. 1895.
 L. reflexum var. intermedium Sodirol, op. cit. XII (81): 324. Apr. 1895.
 L. reflexum var. minus Sodirol, op. cit. XII (81): 324. Apr. 1895 [non Spring, 1842].
 L. reflexum var. polycarpum Sodirol, op. cit. XII (81): 324. Apr. 1895.
 L. rimbachii Sodirol, op. cit. XII (81): 321. Apr. 1895.
 L. riofrioii Sodirol, op. cit. XII (81): 337. Apr. 1895.
 L. sarmentosum var. capillare (Sodirol) Sodirol, op. cit. XII (81): 328. Apr. 1895. *Lycopodium capillare* Sodirol.
 L. taxifolium var. brongniartii (Spring) Sodirol, op. cit. XII (81): 330. Apr. 1895 [wrongly attributed to Spring]. *Lycopodium brongniartii* Spring.

- Lycopodium tobarii* Sodiro, op. cit. XII (81): 320. Apr. 1895.
Nephrodium crassipes Sodiro, op. cit. IX (64): 323. Nov. 1893.
N. crinitum var. *glaucescens* Sodiro, op. cit. X (66): 6. Jan. 1894.
N. elegantulum Sodiro, op. cit. IX (65): 371. Dec. 1893.
N. lagerheimii Sodiro, op. cit. X (66): 7. Jan. 1894.
N. nemorale Sodiro, op. cit. X (67): 124. Feb. 1894.
N. polylepis Sodiro, op. cit. X (66): 16. Jan. 1894.
N. rigescens Sodiro, op. cit. IX (65): 366. Dec. 1893.
N. squamosissimum Sodiro, op. cit. X (66): 12. Jan. 1894.
N. subglabrum Sodiro, op. cit. X (66): 15. Jan. 1894.
N. supinum Sodiro, op. cit. IX (65): 368. Dec. 1893.
N. urbanii (Sodiro) Sodiro, op. cit. XIII (84): 50. Oct. 1897. *Polypodium urbanii* Sodiro.
N. villosum var. *spectabile* (Kaulf.) Sodiro, op. cit. X (66): 14. Jan. 1894.
Polypodium spectabile Kaulf.
N. villosum var. *subincisum* (Willd.) Sodiro, op. cit. X (66): 14. Jan. 1894.
Polypodium subincisum Willd.
Nephrolepis cordifolia var. *obtusata* Sodiro, op. cit. X (67): 133. Feb. 1894.
Polypodium acuminatum (Fée) Sodiro, op. cit. XI (72): 31. Jul. 1894 [wrongly attributed to Fée]. *Goniophlebium acuminatum* Fée.
P. angustifolium var. *gramineum* Sodiro, op. cit. XI (72): 43. Jul. 1894.
P. angustifolium var. *jamesonii* (Fée) Sodiro, op. cit. XI (72): 43. Jul. 1894.
Campyloneuron jamesonii Fée.
P. argyrolepis Sodiro, op. cit. XI (72): 26. Jul. 1894.
P. azuayense Sodiro, op. cit. X (69): 317. Apr. 1894.
P. caceresii Sodiro, op. cit. XI (72): 37. Jul. 1894.
P. chionolepis Sodiro, op. cit. XI (73): 114. Aug. 1894.
P. circinatum Sodiro, op. cit. X (71): 392. Jun. 1894.
P. ecostatum Sodiro, op. cit. X (69): 303. Apr. 1894.
P. heteromorphum var. *variabile* (Mett.) Sodiro, op. cit. X (69): 321. Apr. 1894 [wrongly attributed to Mett.]. *Polypodium variabile* Mett.
P. loriceum var. *heterolepis* Sodiro, op. cit. XI (72): 28. Jul. 1894.
P. loriceum var. *nanegalense* (Sodiro) Sodiro, op. cit. XI (72): 28. Jul. 1894.
Polypodium nanegalense Sodiro.
P. mindense Sodiro, op. cit. XI (72): 25. Jul. 1894.
P. mixtum Sodiro, op. cit. X (71): 398. Jun. 1894.
P. moniliforme var. *peruvianum* (Desv.) Sodiro, op. cit. X (69): 311. Apr. 1894. [wrongly attributed to Desv.] *Polypodium peruvianum* Desv.
P. morlae Sodiro, op. cit. X (68): 206. Mar. 1894.
P. pectinatum var. *brachypus* Sodiro, op. cit. X (71): 394. Jun. 1894.
P. pectinatum var. *recurvatum* (Kaulf.) Sodiro, op. cit. X (71): 394. Jun. 1894.
Polypodium recurvatum Kaulf.
P. pichincae Sodiro, op. cit. X (69): 324. Apr. 1894.
P. rimbachii Sodiro, op. cit. XI (72): 32. Jul. 1894.
P. squamatum var. *tridens* (Kunze) Sodiro, op. cit. XI (72): 40. Jul. 1894.
Polypodium tridens Kunze.
P. subandinum Sodiro, op. cit. XI (72): 24. Jul. 1894.
P. taxifolium var. *filicula* (Kaulf.) Sodiro, op. cit. X (71): 390. Jun. 1894 [wrongly attributed to Baker]. *Polypodium filicula* Kaulf.
P. tetragonum var. *megalodus* (Schkuhr) Sodiro, op. cit. X (68): 204. Mar. 1894 [wrongly attributed to Baker]. *Polypodium megalodus* Schkuhr.
P. urbanii Sodiro, op. cit. X (68): 203. Mar. 1894.

- Pteris andreana* Sodirol, op. cit. VIII (55): 71. Feb. 1893.
P. coriacea var. *diffusa* Sodirol, op. cit. VIII (54): 15. Jan. 1893.
P. hymenophylla Sodirol, op. cit. VIII (55): 70. Feb. 1893.
P. pedata var. *gemmaipara* Sodirol, op. cit. VIII (55): 68. Feb. 1893.
P. sclerophylla Sodirol, op. cit. VIII (55): 69. Feb. 1893.
P. trialata Sodirol, op. cit. VIII (55): 76. Feb. 1893.
Selaginella eggertii Sodirol, op. cit. XII (82): 418. May, 1895.
S. filicaulis Sodirol, op. cit. XIII (82): 413. May, 1895.
S. lizaraburui Sodirol, op. cit. XII (83): 486. Jun. 1895.
S. poeppigiana var. *versicolor* Sodirol, op. cit. XII (83): 480. Jun. 1895.
S. reptans Sodirol, op. cit. XII (82): 411. May, 1895.
S. triuncialis Sodirol, op. cit. XII (82): 407. May, 1895.
S. wolfii Sodirol, op. cit. XII (83): 490. Jun. 1895.
Trichomanes axillare Sodirol, op. cit. IV (31): 291. Oct. 1890.
T. axillare var. *helicoideum* Sodirol, op. cit. IV (31): 291. Oct. 1890.
T. dactylites Sodirol, op. cit. VI (44): 70. Mar. 1892.
T. imbricatum Sodirol, op. cit. VI (44): 70. Mar. 1892.
T. kraussii var. *crispatum* Sodirol, op. cit. IV (31): 289. Oct. 1890. [Perhaps intended to be the same as *T. kraussii* var. *crispatum* Hook. & Bak. (Syn. Fil. 77. 1867), but to be considered nomenclaturally different, since there is no reference to Hooker and Baker.]
T. pyxidiferum var. *debile* (v. d. Bosch) Sodirol, op. cit. IV (31): 290. Oct. 1890.
Trichomanes debile v. d. Bosch.
Vittaria longipes Sodirol, op. cit. XI (74): 222. Sep. 1894.

SHORTER NOTE

EQUISETUM PALUSTRE IN NORTH DAKOTA.—On July 6, 1969, while collecting for the University of Kansas, I discovered a colony of *Equisetum palustre* L. on the south side of the Sheyenne River, 16 miles east and 5 miles north of Lisbon, Ransom County, North Dakota. The large colony was growing in several inches of water in a wooded bog. This is the first record of the fern in North Dakota, although it has been recorded for surrounding states. Specimens of my collection, *Ralph Brooks 1554*, are on deposit in the herbaria of the University of Kansas (KANU) and North Dakota State University (NDA).

In June 1970 I revisited the colony and found it in excellent condition. Additional specimens were collected to further document my earlier findings. *Matteuccia struthiopteris* (L.) Todaro, an uncommon fern in North Dakota, was also found growing along the Sheyenne River near the *Equisetum* colony on this second visit.—*Ralph E. Brooks, Biology Department, Kansas State Teachers College, Emporia, KS 66801.*